

The Medical Imaging Technology Development Core (MITDC) of the OU COBRE in Cancer Imaging Invites You to Attend:

Workshop Series on MITDC Shared Equipment:

Introduction of Raman Spectroscopy and the Zolix RTS2 Dual Laser Confocal Raman Microscopy/Spectroscopy System

Presented: Dr. Binbin Weng

Day/Time: September 19, 2024, Between 11:00AM-12:00PM

Venue: Devon Energy Hall, Rm 420, 110 W. Boyd St, OU, Norman, OK 73019

Our workshop series will be focused on developing novel medical imaging modalities/equipment and technologies for cancer imaging research and treatment.

RTS2-301-SMS laser confocal Raman microscopy/spectroscopy system is a two-wavelength (532 nm, 785 nm) fiber-coupled laser confocal upright microscope and Raman spectroscopy system. Both brightfield and confocal microscopy imaging can be performed. A 320-mm spectrometer (with three gratings: 1800g/mm, 600g/mm, 150g/mm) and a VIS-NIR CCD camera (2000x256 pixels, 15um pixel, QE >90%) is integrated for Raman confocal microscopy/spectroscopy with spectral resolution of <2cm⁻¹. Up to four electrically switchable laser optical paths are available for integrating additional microscopy/imaging modalities.



We will demonstrate RTS2-301-SMS laser confocal Raman microscopy/spectroscopy system for their capabilities and availability.

All are welcome, please register:

https://ousurvey.qualtrics.com/jfe/form/SV_bl06OJnkE99Ag7A

If you have questions, please contact Dr. Binbin Weng: binbinweng@ou.edu and Dr. Yuhua Li at yhli1500@ou.edu.